CodeWorks Environment Setup

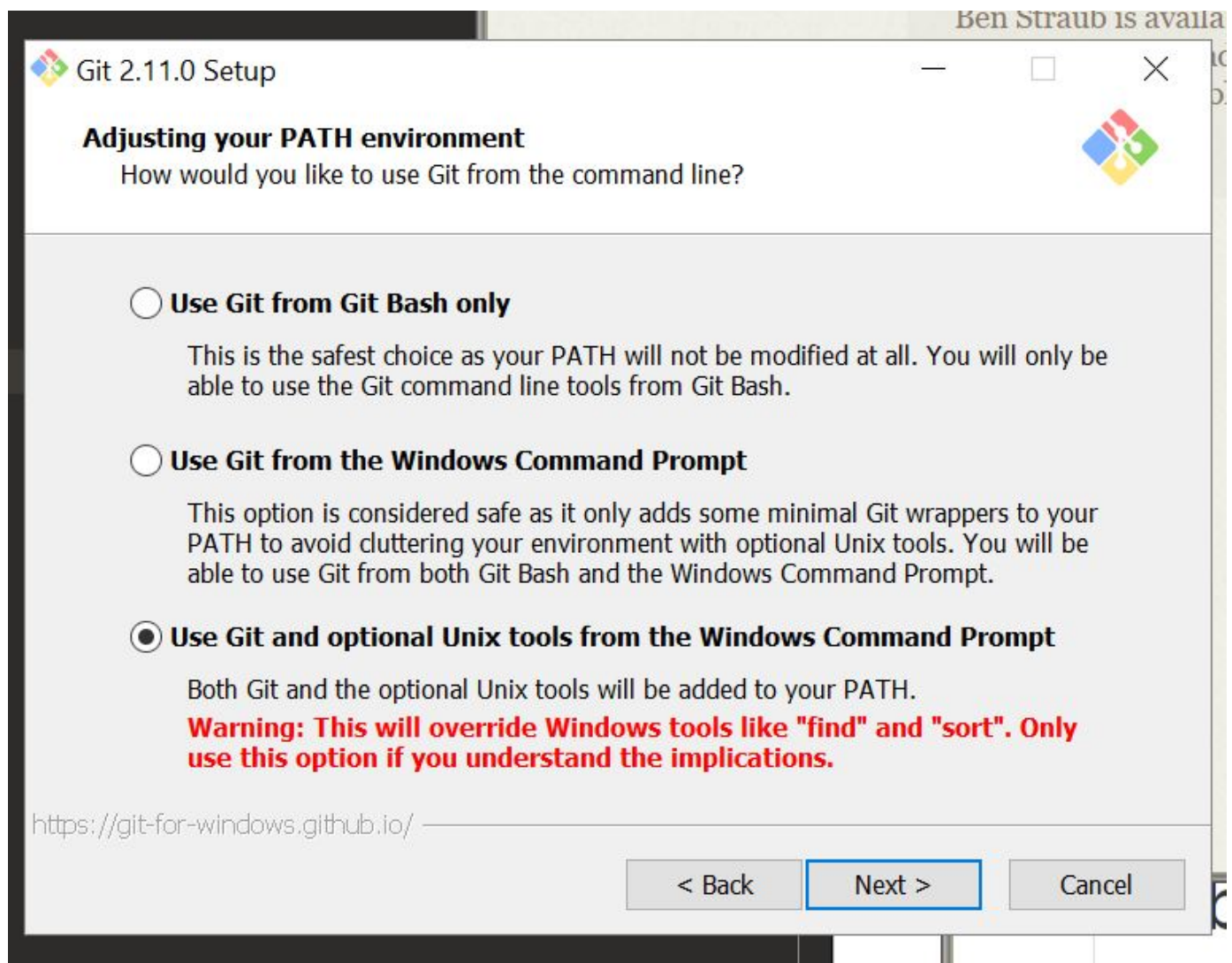# Basic Sytem Setup

Day 1 - Tools

Install Nodejs ^8.0

Install VS Code

Intall Git

Window Only make sure to check this box when installing git

Test the Installations

To test each of these tools type the following commands into your command line

```
> git
```
COMMAND-LINE

```
> npm
```
COMMAND-LINE
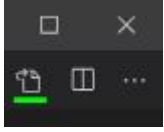
```
> dotnet
```
COMMAND-LINE

```
> code .
```
COMMAND-LINE

VS Code User Settings

Open Settings Hotkey: CTRL+comma

In the top right corner click on this icon to open up the json settings

Now copy and paste the following settings

```json
{
  "editor.renderWhitespace": "all",
  "editor.insertSpaces": true,
  "editor.tabSize": 2,
  "editor.wordWrap": "on",
  "editor.acceptSuggestionOnEnter": "smart",
  "editor.matchBrackets": true,
  "javascript.preferences.quoteStyle": "double",
  "git.confirmSync": false,
  "git.enableSmartCommit": true,
  "git.autofetch": true,
  "javascript.implicitProjectConfig.checkJs": true,
  "javascript.updateImportsOnFileMove.enabled": "always",
  "typescript.updateImportsOnFileMove.enabled": "always",
  "javascript.referencesCodeLens.enabled": true,
  "workbench.editor.highlightModifiedTabs": true,
  "search.useGlobalIgnoreFiles": true,
  "emmet.includeLanguages": {
    "vue": "html",
    "javascript": "javascriptreact"
  },
  "vsicons.dontShowNewVersionMessage": true,
  "workbench.iconTheme": "vscode-icons",
  "editor.showFoldingControls": "always",
  "editor.renderIndentGuides": true,
  "files.exclude": {
    "**/.DS_Store": true,
    "**/.git": true,
    "**/.hg": true,
    "**/.svn": true,
    "**/*.meta": true,
    "**/node_modules": true,
    "**/dist": true
  },
}
```

Mac Only Terminal Config

- Press [cmd+space]
- type terminal and press [enter]
- type the following command

```
> vim ~/.bash_profile
```

- press [i]
- copy below with [cmd+c]
- paste with [cmd+v]
- press [esc]
- type [wq!]
- Press enter
- close and reopen terminal window

```
RED='\[\e[1;31m\]'
BOLDYELLOW='\[\e[1;33m\]'
GREEN='\[\e[0;32m\]'
BLUE='\[\e[1;34m\]'
DARKBROWN='\[\e[1;33m\]'
DARKGRAY='\[\e[1;30m\]'
CUSTOMCOLORMIX='\[\e[1;30m\]'
DARKCUSTOMCOLORMIX='\[\e[1;32m\]'
LIGHTBLUE="\[\033[1;36m\]"
PURPLE='\[\e[1;35m\]'

export PS1="\n\[\033[36m\]\u\[\033[m\]:${PURPLE}\w\[\033[m\]\\n\n$ "
export CLICOLOR=1
export LSCOLORS=ExFxBxDxCxegedabagacad
alias ls='ls -GFh'
```

Create the following Directories

Standardizing where all of the projects should exist on each students computer will

save you time when having to help students debug their problems.

Windows

> C:/source/codeworks/

Mac

> ~/source/codeworks

Git Cred Setup

```
git config --global user.name "Your Name"      COMMAND-LINE
git config --global user.email "Your email"
```

Global Node Modules

```
> npm i -g bcw      TERMINAL
```